

CITY OF PETERBOROUGH



REPORTS

OF THE

Medical Officer of Health

AND OF THE

Chief Sanitary Inspector

FOR THE YEAR

1947

PETERBOROUGH :

DYSON BROS., PRINTERS, GLADSTONE STREET.

CITY OF PETERBOROUGH

I.


REPORT

OF THE

Medical Officer of Health

FOR

1947



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CITY OF PETERBOROUGH

ANNUAL HEALTH REPORT, 1947

PUBLIC HEALTH COMMITTEE

Chairman—

Alderman J. T. FISHER, J.P.

Vice-Chairman—

Councillor W. J. COATES.

THE MAYOR, *Councillor J. E. SWAIN,*
J.P. (*ex-officio*).

CHAIRMAN FINANCE COMMITTEE
(*ex-officio*).

Alderman J. A. BARTRAM.

Alderman H. J. FARROW.

Councillor G. R. CHAMBERLAIN.

Councillor E. HINCH.

Councillor H. R. HORRELL.

Councillor E. PAILING.

Councillor A. L. ROBINSON, M.B.E.

Councillor A. W. VINEY, M.B.E.

Councillor Mrs. WOOD.

Councillor H. STEDMAN.

INFANT WELFARE COMMITTEE

Chairman—

Alderman H. J. FARROW.

Vice-Chairman—

Councillor Mrs. M. WOOD.

THE MAYORESS (*ex-officio*).

THE CHAIRMAN OF THE FINANCE COMMITTEE (*ex-officio*).

Alderman Bartram, Councillors Mrs. Benstead, Chamberlain, Mackman,
Martin, Mellows, Mrs. Mellows, Robinson, Thomas.

Co-opted members :—The Mayoress (Mrs. Swain), Mrs. J. A. Bartram,
Mrs. A. Knee, Mrs. E. V. Martin and Dr. W. Peach Hay.

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health, School Medical Officer, Medical Superintendent of the Isolation Hospitals, and Medical Officer to the Child Welfare Committee—

WM. JOHNSTONE, M.D., B.CH. (GLAS.), D.P.H. (CAMB.).

Deputy Medical Officer of Health (part time)—

†W. ANLEY HAWES, M.B., B.S. (LOND.), D.P.H. (LOND.).

Ante-Natal Consultant (part time)—

†ALAN MORRIS JOHNS, M.D., M.R.C.O.G.

Orthopaedic Consultant (part time)—

(Pre-School age children)

†NOEL SMITH, M.B., B.CH.B.A.O. (T.C.D.) F.R.C.S. (I).

Chief Sanitary Inspector, also Inspector under Foods and Drugs Acts—

J. L. SEDEN, M.S.I.A., Cert. R. San. I.

Sanitary Inspectors—

J. HALL, M.S.I.A., Cert. San. Insp. B.

A. AINLEY, Cert. San. Insp. B.

Public Analyst—

†W. TAYLOR, B.SC., F.R.I.C.

Health Visitors—

Miss E. M. TAMPLIN, S.R.N., S.C.M., A.R.SAN.I.

Mrs. M. PRATT, S.R.N.

Ante-Natal Matron—

Mrs. R. M. RITCHIE, S.R.N., S.C.M.

Matron, Borough Isolation Hospital—

Miss I. B. SKINNER, S.R.N., R.F.N.

Clerks—

Chief : H. A. GOODACRE.

Assistant : G. SAUNDERS.

† Part-time Officers.

PURSUANT TO

Article 14, Sub section (3) of the Sanitary Officers Order, 1926.

Every Medical Officer of Health is to compile an annual report applicable to each calendar year on the sanitary circumstances, the sanitary administration and the vital statistics of the district, which, in this case, is the Borough of Peterborough.

Circular 170/47 of the Ministry of Health embodies the information required by the Ministry, and the report for 1947 which follows is extended beyond the terms indicated in that circular.

I. GENERAL STATISTICS FOR 1947.

Area of Borough in Acres	10,022
Population—Registrar-General's estimate of resident population (Mid. 1947)	51,450
Number of Inhabited Houses (end of 1947)	14,498
Rateable Value on December 31st, 1947	£358,307
Product of a Penny Rate	£1,413

II. EXTRACT OF VITAL STATISTICS OF THE YEAR.

LIVE BIRTHS	Total	M.	F.	Birth rate per 1,000 of estimate resident population	17.4†
Legitimate	830	422	408		
Illegitimate	67	35	32		
STILL-BIRTHS	24	10	14	Rate per 1,000 (live and still) births	
DEATHS :	633	330	303	Death Rate per 1,000 estimate resident population	12.3*

Deaths from puerperal causes, headings 29 and 30 of the R.G's list :—

				Deaths	Rate per 1,000 (live and still-births).
No. 29	Puerperal sepsis	....	....	0	0.00
No. 30	Other maternal causes	....	....	1	1.1
Total				1	1.1

Death Rate of infants (under one year of age)	
all infants per 1,000 births	31.6
Legitimate infants per 1,000 legitimate live births	32.6
Illegitimate infants per 1,000 illegitimate live births	44.7
Deaths from Cancer (all ages) all sites	112
„ „ Measles (all ages)	0
„ „ Whooping Cough (all ages)	2
„ „ Diarrhoea (under 2 years)	1

† *England and Wales* : 20.5 per 1,000 (civilian) population.

* *England and Wales* : 12.0 per 1,000 (civilian) population.

BIRTH-RATES, DEATH-RATES, ANALYSIS OF MORTALITY, MATERNAL DEATH-RATES, AND CASE-RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1947.

England and Wales and 148 Smaller Towns.

The Register-General's are provisional figures based on weekly and quarterly returns ; the local are for the Calendar Year (1947).

				Peter- borough	England and Wales.	148 Smaller towns, pop : 25,000 to 50,000 (1931 census).	
				Actual Nos.	Rates per 1,000 Population (Civil)		
BIRTHS :—							
Live	....	....	897	17.43	20.5	22.2
Still	....	....	24	0.46	0.5	0.54
DEATHS :—							
All Causes	....	....	633	12.3	12.0	11.9
Scarlet Fever	....	....	0	0.00	0.00	0.00
Typhoid	....	....	0	0.00	0.00	0.00
C.S. Fever	....	....	1	0.02	—	—
Diphtheria	....	....	0	0.00	0.01	0.01
Whooping Cough	....	....	2	0.04	0.02	0.02
Measles	....	....	0	0.00	0.01	0.02
Poliomyelitis	....	....	1	0.02	0.012	—
NOTIFICATIONS :—							
Scarlet Fever	....	....	46	0.89	1.37	1.37
Diphtheria	....	....	1	0.02	0.13	0.14
Poliomyelitis	....	....	1	0.02	—	n.a.
Typhoid	....	....	0	0.00	0.01	0.00
Dysentery	....	....	0	0.00	n.a.	n.a.
C.S. Fever	....	....	1	0.02	0.05	0.05
Pneumonia	....	....	39	0.75	0.79	0.68
Measles	....	....	559	10.86	9.41	9.58
Whooping Cough	....	....	231	4.49	2.22	2.02
Per 1,000 (Live) Births							
NOTIFICATIONS (cont.)—							
Puerperal Pyrexia	....	....	2	2.2	7.16	6.27
MORTALITY (cont.)—							
Infant deaths under							
one year	....	....	30	31.6	41	36
(a) Legitimate	....	....	27	32.6		
(b) Illegitimate	....	....	3	44.7		
Maternal Mortality			1	1.1	1.17		

NOTIFIABLE DISEASES DURING 1947

Disease.	Cases Notified.						Cases admitted to Hospital.		Deaths.								
	Total	Under 1 year	1—5	5—15	15—25	25—45	45—65	65 and over	Total notified	Under 1 year	1—5	5—15	15—25	25—45	45—65	65 and over	Total
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	1	—	—	—	1	—	—	—	100%	—	—	—	—	—	—	—	—
Scarlet Fever	46	—	4	34	2	5	1	—	80%	37	—	—	—	—	—	—	—
Enteric Fever (including paratyphoid)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis	1	—	—	—	—	1	—	—	100%	1	—	—	—	1	—	—	1
Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal Pyrexia	2	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Pneumonia	39	1	5	4	3	9	12	5	—	—	—	—	—	—	1	2	7
Other Diseases, i.e.—																	
Erysipelas	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—
Cerebro-Spinal Fever	1	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	1
Ophthalmia Neonatorum	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ISOLATION HOSPITAL.

Admissions and diseases treated during 1947.

City cases.				Out Borough.			
Scarlet Fever	....	....	39	Scarlet Fever	....	....	20
Diphtheria	....	....	2	Diphtheria	....	....	4
Poliomyelitis	....	....	*5	Poliomyelitis	....	....	*12
Measles	....	....	12	Measles	....	....	1
Whooping cough	....	....	1	Whooping cough	....	....	1
Chicken Pox	....	....	4	Rubella	....	....	1
Rubella	....	....	1				—
Scabies	....	....	3				39
Puerperal Fever	....	....	1	*2 spurious.			—
Pemphigus	....	....	1				
Bronchiectasis	....	....	1				
			—				
			70	Forces (outside City area) :			
			—				
				Scarlet Fever	....	....	3
				Measles	....	....	1
				Rubella	....	....	1
							—
							5
							—

*4 spurious.

Total admissions for year — 114.

Maternity and Child Welfare.

No. of live Births notified to Department, 1947	....	....	....	897
By Doctors	....	....	....	311
By Midwives	....	....	....	586
No. of infants died under 1 year	....	....	....	30

Health Visiting.

(iii). Number of visits paid during the year (1947).

(a) To expectant mothers—

First visits	....	....	....	....	....	....	95
Total visits	....	....	....	....	....	....	137

(b) To children under one year of age—

First visits	....	....	....	....	....	....	883
Total visits	....	....	....	....	....	....	2047

(c) To children between the age of 1 and 5 years, Total visits 3109

Infant Welfare Centres.

(c) Total number of (individual) children who attended the Centres for the first time during the year, and who on first attendance were :

(i) Under 1 year of age	....	....	....	....	....	542
(ii) Over 1 year of age	....	....	....	....	....	20

(d) Total number of (individual) children who attended the Centres during the year and who at the end of the year were :

(i) Under 1 year of age	....	....	....	....	....	429
(ii) Over 1 year of age	....	....	....	....	....	613

Vitamin Supplements (Fruit Juices, Cod Liver Oil, etc.)—Expectant Mothers and Infant Dietary.

These accessory food factors are available at the two Infant Welfare Centres :—

(a) At the Central Centre, Town Hall—thrice weekly.

(b) At Mountsteven Avenue, Walton—twice weekly.

The distribution from the Central Centre, Town Hall, and the Fitzwilliam Clinic, Mountsteven Avenue, Walton, proved to be as follows for 1947 :—

<i>Centre.</i>		<i>Orange Juice.</i>	<i>Cod Liver Oil.</i>	<i>Capsules.</i>
1947				
Central Centre	....	1190	485	19
(1946) do.	....	1986	492	33
1947				
Fitzwilliam Clinic	....	2810	693	116
(1946) do.	....	3628	623	115

ANTE-NATAL CLINIC

Record of Work, 1947.

Pre-Natal Visits	....	....	....	....	....	....	....	137
Post-Natal Visits	....	....	....	....	....	....	....	11
Ante-Natal Clinic Nurse's Attendances at Infant Welfare Centres :—								
Fitzwilliam Clinic, Walton....	2 Sessions weekly					....	....	100
Central Centre, Town Hall....	3 Sessions weekly					....	....	144
Pre-Natal Attendances at Ante-Natal Clinic for various purposes								319
Priority Dockets Issued	....	....	....	....	....	....	....	375
Attendances at Ministry of Health Medical Examination Clinics								16

CONSULTANT'S CLINIC

[illegible]

POST-NATAL CLINIC

Patients recommended for Operative Treatment	....	....	....	Nil
Normal conditions	....	....	....	6
Relieved by temporary application of Surgical Appliance		....	....	1

INFANT MORTALITY — 1947

<i>Cause.</i>	WEEKS				<i>Total under one month.</i>	MONTHS				<i>Total under one year.</i>
	0-	1-	2-	3-		1-	3-	6-	9-	
Prematurity	7	2			9					9
Pre-natal Hazards	1				1					1
Malformation(s)	1		1		2	1				3
Asphyxia Neonatorum	2				2					2
Violence	1				1					1
(Gastro-) Enteritis									1	1
Intussusception										
Pyloric Stenosis										
Icterus Neonatorum										
Atelectasis	1				1					1
Pneumonia (broncho)						3		1		4
Pneumonia (Lobar)										
Bronchitis						1	1	2		4
Measles										
Whooping Cough							1			1
Pemphigus Neonatorum										
Melena Neonatorum										
Toxæmia (pre-natal)	1				1	1				2
Other		1			1					1
	14	3	1		18	6	2	3	1	30

Comments on Infant Mortality Table.

1. It is a near-invariable this year that mortality collected in the under 4-week column is proportioned at 60% of the total infantile mortality.
2. It is also a near-invariable that the number under the heading prematurity (meaning premature birth) comprises 50% of neo natal (under 4-weeks old) mortality.
4. It can be held axiomatic that the social condition prevalent in a community can, to a very large extent, be gauged by the death roll amongst its progeny ascribed to (gastro) Enteritis.

CITY OF PETERBOROUGH.

WATER SUPPLY.

ANALYSIS OF A SAMPLE OF WATER.

Tap in new Chlorinator House, Wilsthorpe.

(Raw water sample).

CHEMICAL RESULTS IN PARTS PER MILLION.

Appearance : Clear and bright.		Turbidity (Silica Scale)	Nil
Colour	Nil	Odour	Nil
Reaction pH. Neutral	7.1	Free Carbon Dioxide	25
Electric Conductivity at 20°C.	630	Total Solids, dried at 180°C.	420
Chlorine in Chlorides	20	Alkalinity as Calcium Car-	
Hardness : Total	340	bonate	220
Carbonate (Temporary)	220	Non-carbonate (Permanent)	120
Nitrogen in Nitrates	1.4	Nitrogen in Nitrites	Absent
Free Amonia	0.000	Oxygen absorbed in 4 hours	
Albuminoid Ammonia	0.000	at 27°C.	0.20
Metals—Iron : Less than	0.03	Free Chlorine Reaction	—
		Other metals absent	—

BACTERIOLOGICAL RESULTS.

	1 day at 37° C.	2 days at 37° C.	3 days at 20° C.
No. of Colonies developng on Agar per c.c. or ml. in.	0	0	0
Presumptive Coliform Reaction ....	....	....	Absent from 100 ml.
Bact. coli. ....	....	....	Absent from 100 ml.
Cl. welchii Reaction ....	....	....	Absent from 100 ml.

This sample is clear and bright in appearance, neutral in reaction and free from metals apart from a negligible trace of iron. The water is very hard in character, though not excessively so, and it contains no excess of salinity or mineral constituents in solution. It is of the highest standard of organic and bacterial purity. These results are normal for this supply and consistent with a pure and wholesome water suitable for public supply purposes.

16/6/47.

REPORT OF ANALYSIS OF WATERS RECEIVED 9th DECEMBER, 1947 FROM MAINS WATER.

1. Water taken from Gentlemen's Lavatory at Town Hall.
2. Water taken from Eye Road, Newark No. 4.
3. Water taken from 269, Thorpe Road.

					<i>Parts per million.</i>		
					1.	2.	3.
This sample contains per million parts :—							
Total Solids dried at 180°C.	....	....	....	....	460.0	460.0	460.0
Suspended Matter	....	....	....	....	absent	absent	absent
Chlorides as chlorine	....	....	....	....	24.90	24.90	24.90
Oxidised Nitrogen as nitrate	....	....	....	....	0.00	0.00	0.00
Oxidised Nitrogen as nitrite	....	....	....	....	absent	0.003	absent
Free Ammonia	....	....	....	....	0.044	0.056	0.056
Albumoid Ammonia	....	....	....	....	0.064	0.072	0.088
Temporary Hardness	....	....	....	....	240.00	240.00	240.00
Permanent Hardness	....	....	....	....	95.00	95.00	100.00
Oxygen absorbed in 4 hours at 80°F. from							
N/80 KMnO ₄	....	....	....	....	0.08	0.00	0.04
pH value	....	....	....	....	71.00	71.00	71.00
Appearance	....	....	....	....	Clear and bright in all three samples		
Odour	....	....	....	....	none	none	none
Taste and Colour	....	....	....	....	normal	normal	normal
Heavy Metals	....	....	....	....	absent	absent	absent
Free Chlorine	....	....	....	....	0.4	absent	absent
No. of colonies developing per ml. on agar					p.p.n.		
at 21°C. in 72 hours	....	....	....	....	28	30	2
No. of colonies developing per ml. on agar							
at 37°C. in 24 hours	....	....	....	....	7	0	2
No. of colonies developing per ml. on agar							
at 37°C. in 48 hours	....	....	....	....	14	2	5
Coli—aerogenes count per 100 mls. at 37°C.							
in 48 hours	....	....	....	....	0	0	0
Faecal coli count per 100 mls. at 44°C. in							
48 hours	....	....	....	....	0	0	0
Bacillus Coli (Presumptive) Absent in					100 mls.	100 mls.	100 mls.

Observations :—

At the time of sampling the City water supply, examined at the above three different points on the mains system, was of satisfactory bacterial and chemical quality for human consumption, domestic use and dairy purposes.

(Signed) : W. W. TAYLOR, B.Sc., F.R.I.C.

20/12/47.

TUBERCULOSIS.**New Cases and Mortality during 1947.**

<i>New Cases.</i>					<i>Deaths.</i>			
<i>Pulmonary.</i>			<i>Non-Pulmonary</i>		<i>Pulmonary.</i>		<i>Non-Pulmonary</i>	
<i>Age Periods</i>	<i>M.</i>	<i>F.</i>	<i>M.</i>	<i>F.</i>	<i>M.</i>	<i>F.</i>	<i>M.</i>	<i>F.</i>
Pre 14	1	2	2	—	—	—	—	—
15—25	3	10	—	—	—	—	—	—
25—35	8	11	—	1	2	5	—	—
35—45	5	2	1	—	1	†2	—	—
45—65	2	—	—	—	†1	—	—	1
TOTALS :	19	25	3	1	4	7	—	1

† indicates 2 cases never notified.

FACTORIES ACT, 1937.

Part 1 and Part VIII.

1. Inspections for purposes as to health (including inspections made by Sanitary Inspectors).

				<i>Number of</i>		
<i>Premises.</i>		<i>No. on Register.</i>	<i>Inspections.</i>	<i>Written Notices.</i>	<i>Occupiers Prosecuted</i>	
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ....	....	213	52	9	—	
Other Premises under the Act (excluding Outworkers' premises) ....	....	—	—	—	—
Total ....	....	213	52	9	—	

2. Cases in which DEFECTS were found :—

Particulars.	<i>No. of cases in which defects were found.</i>			<i>No. of cases in which prosecutions were instituted.</i>	
	<i>Found.</i>	<i>Remedied.</i>	<i>Referred by H.M. Inspector.</i>		
Want of cleanliness	4	4	4	—	
Overcrowding	—	—	—	—	
Unreasonable temperature	—	—	—	—	
Inadequate ventilation	—	—	—	—	
Ineffective drainage of floors	—	—	—	—	
Sanitary Conveniences :—					
(a) insufficient	3	1	2	—	
(b) Unsuitable or defective	3	2	3	—	
(c) Not separate for sexes	—	—	—	—	
Other offences (not including offences relating to Homework	6	5	3	—	
Total	16	12	12	—	

HOUSING.

I.—Inspection of Dwelling Houses during the year (1947).

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	1415
(b) Number of inspections made for the purpose	2115
(2) (a) Number of dwelling houses which were inspected and recorded under the Housing (Consolidated) Regulations, 1925—32	—
(b) Number of inspections made for the purpose	—
(3) (a) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	—
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	346

II.—Remedy of Defects without Service of Formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers	212
--	-----

III.—Action under Statutory Powers.

A.—Proceedings under Sections 9, 10 and 16 of the Act, 1936.

(1) Number of dwelling houses in respect of which notices were served requiring repairs	9
(2) Number of dwelling houses to be rendered fit after service of formal notices :—	
(a) by Owners	—
(b) *by Local Authority in default of owners	—
* i.e. work done at certain houses outstanding from 1945.	

B.—Proceedings under Public Health Acts.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	—
(2) Number of dwelling houses in which defects were remedied after service of formal notices :—	
(a) by owners	—
(b) by Local Authority in default of owners	—

C —Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

(1) Number of dwelling houses in respect of which Demolition Orders were made	—
(2) Number of dwelling houses demolished in pursuance of Demolition Orders (including Orders made in Previous Years)	1
(3) Number of 1939 Slum Clearance Houses from which tenants were re-housed in 1946 now occupied by "Squatters"	6

D.—Defence Regulation 68A.A.

No. of Slum Clearance houses licensed for temporary occupation	17
---	----

IMMUNISATION AGAINST DIPHTHERIA

Total population immunised (all periods)		9308	Under 5 4248	5—15 5060
1947.				
Number immunised during year		....	480	157
Incidence of Diphtheria (14 or under)			Cases (1947). Nil.	

CITY OF PETERBOROUGH

II.

ANNUAL REPORT

OF THE

CHIEF SANITARY INSPECTOR

For the Year 1947.

(J. L. SEDEN, M.S.I.A., Cert. R. San. I.)

STAFF.

Chief Sanitary Inspector—

*†‡ J. L. SEDEN, M.S.I.A., Cert. R. San. I.

Additional Sanitary Inspectors—

*†§ Mr. J. HALL, Cert. S.I.B.

*† Mr. A. AINLEY, Cert. S.I.B.

Assistant Inspector—

Mr. A. N. VENTERS.

Clerks—

Miss M. PARKER.

Mr. A. MORTON.

• Sanitary Inspector's Certificate.

† Meat and Food Inspector's Certificate.

‡ Sanitary Science Certificate, R. San. I.

§ Institution of Sanitary Engineers' Certificate.

Chief Sanitary Inspector's Report 1947

SANITARY INSPECTOR'S OFFICE,
TOWN HALL,
PETERBOROUGH.
1948.

*To The Right Worshipful the Mayor, Aldermen
and Councillors of the City of Peterborough.*

MR. MAYOR, LADIES AND GENTLEMEN,

I beg to submit herewith my Report of the work carried out by the department for the year 1947—this being my thirty-seventh Annual Report. The Report is primarily statistical.

Formal complaints have again been high, in fact the highest on record. I am unable to record any easing of the difficulty in getting repair work carried out. Delays are considerable and only essential work can be carried out and even this—unless the cost is small—is subject to licence. Property generally is noticeably affected by long overdue repairs.

It will be recalled that in the early part of the year under review many parts of the Country were subject to severe flooding, and it was acute in districts near to the City. 30 houses in the City suffered in this way—but not nearly so badly as years ago. I recall, for example, that in 1912 flooding then was nearly up to the living room ceiling of certain of the houses affected. It is my considered opinion that had it not been for the dredging and improvements carried out to the River Nene during recent years, the floods in the City would have been much more wide spreading and severe. The houses affected were under close supervision. 195 visits being paid. As the water subsided, the area of the houses was disinfected by the Council's Estates Department under the control of the City Engineer. Subsequently essential repairs were carried out to the property. A Mayor's Fund was also inaugurated to render assistance to those tenants whose furniture had been damaged or rendered useless.

Under the provisions of Section 14, Food & Drugs Act, 1938, 8 applications for the registration of premises for the manufacture of Ice-cream, and 71 applications for registration of premises for the retail sale of Ice-cream were considered by the Public Health Committee at its monthly meetings from June to November as well as 47 applications for the registration of Meat Traders' making-up premises. 219 visits and re-visits were paid respecting the former, and 145 respecting the latter.

17 samples of Ice-cream were taken and submitted for bacteriological examination. The reports thereon were satisfactory.

One licensed Knacker's premises, which was brought into the City Area when it was extended in 1929, has been demolished. These premises were acquired by the City Council as they were situate on land covered by the Dogsthorpe Housing Estate Scheme. One other Knacker's premises in the Fengate Area continues to function.

The business of a Tripe Boiler, which had been carried on at premises in the Dogsthorpe Area for a number of years, was closed down owing to the death of the proprietor. The business was subsequently acquired and the successor made application under the provisions of Section 107, Public Health Act, 1936, to establish the trade at his premises in the Woodston Area. After being overhauled and made suitable, the necessary consent was given.

A Register is kept of all restaurants and cafe kitchens and premises where food is prepared for sale, and these have been inspected and re-visited during the year. The proprietors and staff have been advised on the importance of general and personal cleanliness in the preparing and handling of foods and also respecting crockery and utensils.

In November and December two series of four lectures were given to Food Handlers on "Food Borne Infection : Sources and Modes of Spread" by Dr. C. C. B. Gilmour, O.B.E., M.A., M.B., of the Public Health Laboratory Service.

Meat and Food inspection work—particulars of which follow under the appropriate headings—has again taken up a good share of your officers' time. The Abattoirs are a clearing house for casualty and unthrifty animals from a large area around the City, and quite a number were sent in during the year. This class of animal calls for careful inspection, and from the details given the large number of condemnations of this class of animal will be noted. It is regrettable to note that the number of home-produced animals slaughtered, in comparison with the past few years, is not on the increase,—which seems to indicate that the end of rationing is still a long way off.

I was able to report favourably to the Licensing Justices on the sanitary conveniences of the Theatres, Cinemas and Licensed places of entertainment which were inspected under the provisions of Circular 120. Visits paid

INSPECTIONS, COMPLAINTS, NOTICES.

Inspections, 5,097. Re-visits, 917. Complaints, 234 (Formal). Action was taken in 195 cases. 53 Informal Notices and 38 letters were sent respecting defaults covered by the Public Health and Housing Acts.

The bulk of matters requiring attention was, however, dealt with, following personal interviews with Owners or Agents.

NUISANCES ABATED AND SANITARY DEFECTS REMEDIED.

Total 680—covering similar matters set out in detail in pre-war printed Reports.

HOUSE INSPECTION.

1,415 houses were inspected, and a total of 2,115 visits were made for this purpose.

Permission, under the provisions of Section 269 of the Public Health Act, 1936, was given for one dwelling van to be stationed on approved land.

17 Slum Clearance houses were licensed under Defence Regulation 68 A.A. for temporary occupation. At 4 other houses licensing is outstanding.

One house totally unfit and subject to an outstanding demolition order was demolished.

INFECTIOUS DISEASES.

46 visits of enquiry were made and 18 re-visits.

DISINFECTION.

The number of rooms disinfected is as follows :—

Infectious Disease	....	....	....	....	....	46
Phthisis	....	....	....	....	....	19
For non-notifiable diseases :—						
Rooms	....	....	....	....	....	5
Wards and Annexes	....	....	....	....	....	5

Bedding was removed to the Isolation Hospital to be disinfected from :—

46 Houses (after Infectious Disease)	....	....	....	402 articles
5 Houses (after non-notifiable Diseases)	....	....	....	38 articles
13 Houses (after Phthisis)	....	....	....	100 articles
				540 articles

174 articles of bedding were removed on request from various houses in the City for disinfection, for which payment has been made. Following is a list of all the articles removed and disinfected :—

	<i>Infectious Disease.</i>	<i>T.B.</i>	<i>Non- notifiable.</i>	<i>Articles charged for.</i>	<i>Total.</i>
Beds	24	10	2	13	49
Blankets	139	22	15	104	280
Bolsters	26	5	—	3	34
Pillows	77	34	11	24	146
Counterpanes	6	3	—	—	9
Mattresses	22	10	4	10	46
Carpets, etc.	2	2	—	—	4
Clothing	3	1	—	—	4
Miscellaneous	103	13	6	20	142
Total	402	100	38	174	714

ERADICATION OF THE BED BUG.

19 houses were disinfested ; 5 by the City Council's Estates Department prior to the removal of tenants to Council Houses. Zaldecide was used. 9 other houses were disinfested by Owners' tradesmen, Cimex blocks being used, and 5 others were dealt with by the Occupiers.

FRIED FISH SHOPS.

Number on Register—33 and 2 others temporarily closed. Visits paid 31.

Work done :—

Limewashing on request—3.

Frying pan fixed or repaired—2.

Verbal cautions—2.

COMMON LODGING HOUSES.

Number on Register—5, one of which was closed down in December. Visits paid—93. 20 verbal cautions were given respecting various defaults, and 6 letters sent. At one House where there was a change of Keeper in February there was a marked improvement in the standard of cleanliness and general management.

Work done :—

Limewashing on request—3.

Sanitary defects remedied—1.

Repairs to property—1.

Repairs and cleansing of bedding—2.

Electric light fitted—1.

Disinfestation—1.

BAKEHOUSES.

38 Bakehouses are on the Register. 1 discontinued. 44 visits were paid.

Work done :—

Limewashing on request—16.

W.C. repaired—1.

Repairs to premises—1.

Verbal cautions—12.

MEAT AND FOOD INSPECTION.

The Government Slaughtering and Meat Distribution Scheme has continued to function throughout the year—details being as reported in recent previous Annual Reports.

The total number of animals slaughtered during the year was :—Beasts (including Cows), 3,341 ; Sheep and Lambs, 8,899 ; Calves, 820 ; Pigs, 2,835.

441 Condemnation notes covering 2,837 individual condemnations have been issued.

Following are particulars of the condemnations :—

BEEF (for Tuberculosis)—

						<i>Stones</i>
65 Cows and all edible offal	....	....	....	....	(11E)	2869
33 Beasts „ „ „	....	....	....	....	(5E)	1521
1 Cow's Forequarter	....	....	....	....	(1E)	8½
2 Beast's Forequarters	....	....	....	....	(1E)	32
11 Forequarters (parts of)	....	....	....	....	(1E)	35½
1 Hindquarter (part of)	....	....	....	....	(1E)	10

Other Causes—

5 Cows and all edible offal—Emaciation	....	....	(1E)	175
4 Beasts „ „ „ „ —Emaciation	....	....	(1E)	69½
1 Beast „ „ „ „ —Emaciation and Dropsy				33
2 Beasts „ „ „ „ —Dropsy	....	....	(1E)	80
1 Cow „ „ „ „ —Dropsy	....	....		33
1 Cow „ „ „ „ —Septic Pericarditis			(1E)	58¼
1 Beast „ „ „ „ —Septic Pericarditis			(1E)	33¾
3 Beasts „ „ „ „ —Septicaemia	....	....	(3E)	124¼
2 Cows „ „ „ „ —Septicaemia	....	....	(1E)	102½
1 Cow „ „ „ „ —Johnes with Dropsy and Emaciation	....	....	(1E)	30¼
1 Cow „ „ „ „ —Carcinomata	....	....	(1E)	37
2 Beasts „ „ „ „ —Carcinomata	....	....	(1E)	109½
1 Beast „ „ „ „ —Acute Fever	....	....		40¼
1 Cow „ „ „ „ —Fevered	....	....	(1E)	46½
1 Cow „ „ „ „ —Extensive Bruising	....	....		46½
10 Hindquarters —Bruised	....	....	(3E)	117
Bruised and Heated Beef	....	....		293
Heated Imported Beef	....	....		67
Various Beef —Abscesses, Decomposition, Damaged, etc.	....	....		73¾

OFFALS (Edible)—

Heads and Tongues :—364 (T.B.) 805¼ stones ; 10 (Actinomycosis) 22¾ stones : 5 (Injuries, Abscesses, etc.) 11¼ stones.

Lungs :—441 (T.B.) 313 stones : 17 (Pleurisy, etc.) 12½ stones :

Livers :—111 (T.B.) 123 stones : 631 (Distomatosis) 663 stones : 59 (Cavernous Angioma) 63½ stones : 11 (Fatty conditions) 12 stones : 173 including part livers (Abscesses, Cirrhosis, Peritonitis, etc.) 154 stones.

Other Edible Offals :—377 stones ; including Tripes, Udders, Spleens, Kidneys, etc.

E=Emergency Slaughter.

SHEEP—

									<i>Stones</i>
1	Sheep	carcase	and	all	edible	offal—Asphyxia	....		5½
5	„	„	„	„	„	„ —Dropsy	.... (2E)		18
5	„	„	„	„	„	„ —Dropsy & Emaciation	(1E)		17
8	„	„	„	„	„	„ —Emaciation	....		30
1	„	„	„	„	„	„ —Emaciation and			
						Jaundice	....		4
1	„	„	„	„	„	„ —Emaciation and			
						Rheumatism	....		3½
3	„	„	„	„	„	„ —Moribund	.... (1E)		15½
3	„	„	„	„	„	„ —Septic Pleurisy	.... (1E)		11
2	„	„	„	„	„	„ —Septic Pneumonia	(1E)		8
	Mutton	(Bruised, etc.)	....	....	....	....	....		3¼

OFFALS (Edible)—

Livers :—41 (Distomatosis) 6¼ stones : 26 (Parasites and Calcific Deposits)
 5 stones : 90 (Cirrhosis) 14 stones : 6 (Fatty conditions and Abscesses)
 1 stone.

Other Edible Offals 4 stones.

CALVES (for Tuberculosis).

								<i>Stones</i>
1	carcase	and	all	edible	offal —Generalised T.B.	.... (E)		11
1	„	„	„	„	„ —T.B. with Emaciation	.... (E)		13½

Other Causes.

2	Carcases	and	all	edible	offal—Immaturity	....		3¾
2	„	„	„	„	„ —Emaciation	....		8¼
2	„	„	„	„	„ —Fevered	....		8

Offals (Edible) various—1 stone.

PIGS—(for Tuberculosis)

7	carcases	and	all	edible	offal —Generalised T.B. (4E)		98
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OTHER CAUSES.

2	carcases	and	all	edible	offal —Jaundice		8¼
3	„	„	„	„	„ —Emaciation (3E)		5¼
1	„	„	„	„	„ —Dropsy	....		4½
1	„	„	„	„	„ —Septic Pneumonia	.... (1E)		22
1	„	„	„	„	„ —Acute Enteritis	....		3
1	„	„	„	„	„ —Acute Pericarditis	....		2¼

Pork (various causes)—18 stones.

OFFALS (Edible)—

Heads and Tongues : 51 (T.B.) 55½ stones : 3 (Actinomycosis) 4 stones.

Various Other Edible Offals : 32 stones.

E=Emergency Slaughter.

MINISTRY OF HEALTH. CIRCULAR 1650
PARTICULARS TO BE GIVEN — ANNUAL REPORTS
CARCASES INSPECTED AND CONDEMNED

	<i>Cattle, excluding Cows.</i>	<i>Cows.</i>	<i>Calves.</i>	<i>Sheep and Lambs.</i>	<i>Pigs.</i>
Number killed	2,123	1,218	820	8,899	2,835
Number inspected	2,123	1,218	820	8,899	2,835
All Diseases ex- cept Tuberculosis. Whole carcasses condemned	14	13	6	29	9
Carcases of which some part or or- gan was con- demned	484	289	3	167	30
Percentage of the number inspected affected with disease other than tuberculosis	23.46%	24.88%	1.10%	2.20%	1.38%
Tuberculosis only. Whole carcasses condemned	33	65	2	—	7
Carcases of which some part or or- gan was con- demned	342	416	1	—	50
Percentage of the number inspected affected with tuberculosis	17.66%	39.49%	.37%	—	2.01%

OTHER FOODS

518 Condemnation Notes were issued covering 8,527 tins of food and 7 tons 11cwt. of other foods.

Tins of—Milk 3,079; Peas 224; Stewed Steak 203; Meat 302×12 ozs.; 274×6 lbs.; Meat & Vegetable Ration and Stews 137; Pilchards 147; Herrings 125; Pork Sausage 17; Luncheon Meat 167; Salmon 248; Pork & Beans 392; Sardines, Brislings etc. 143; Meat Roll 51; Sausage Meat & Vienna Sausage Meat 101; Steak & Kidney 67; Beef Loaf 45; Pork Loaf 31; Veal Loaf 23; Lamb & Sheeps Tongue 5; Ox Tongue 22; Bacon 23; Potted Meat 6; Soups 103; Fruit & Fruit Cocktail 458; Jams, Syrups etc. 309; Vegetables 950; Brisket of Beef 5; Macaroni 6; Mackerel 27; Tomatoes 361; Fish Paste 44; Crawfish 7; Spaghetti 18; Sultana Pudding 3; Fish Balls 3; Spinach 22; Tomato Puree 22; Gelatine 1; Rabbit 1; Turkey 3; Beetroot 346; Household Milk 5.

Miscellaneous Foods—Sausage $145\frac{1}{2}$ lbs.; *Margarine 5 lbs.; *Butter 11 lbs.; †Pudding Mixture $126\frac{1}{2}$ lbs.; †Scone Mixture 102 lbs.; †Pea Flour 63 lbs.; Pressed Turkey 10 lbs.; Pressed Chicken $39\frac{1}{4}$ lbs.; †Macaroni 2 cwt. 5 sts.; 1 jar Mincemeat; †Chocolate Biscuits 16 lbs.; Eggs 15 doz.; Dried Egg $15\frac{1}{2}$ lbs.; Tea 12 lbs.; †Oatmeal Flakes 60 lbs.; †Crumpets 360; †All Bran 10 oz.; †Spaghetti 120 lbs.; *Bacon $94\frac{1}{2}$ lbs.; †Fish Cakes 208; †Chocolate Rolls 10 doz.; *Pearl Barley $7\frac{1}{2}$ sts.; Cooked Meat 7 lbs.; *Lemonade Powder 81 lbs.; †Peas $1\frac{1}{2}$ cwt.; Caraway Seed 14 lbs.; †Swiss Rolls 110; †Bread 28 lbs.; Sage 386 lbs.; Parsley 64 lbs.; Root Ginger 134 lbs.; †Split Pea Sweepings 21 lbs.; Salt 2 tins; *Semolina 227 lbs.; Curry Powder 1 lb.; Orange Juice 1 bottle; *Cooking Fat $1\frac{1}{4}$ lbs.; Jellies 48; †“Cero-ca” 112 lbs.; †Tart Mixture 73 lbs.; †Chestnuts 195 lbs.; †Apples 6 lbs.; Oxo Cubes 300; †Ovaltine Rusks 12×8 oz.; *Sugar 10 lbs.; Crabs 135; *Oats $304\frac{1}{4}$ sts.; *Cheese $102\frac{1}{2}$ lbs.; *Cheese Trimmings 27 lbs.; *Dried Fruits 95 sts.; Bones $679\frac{1}{2}$ lbs.; *Chocolate & Confectionery $338\frac{3}{4}$ lbs.; Fish $255\frac{1}{4}$ sts.; Shell Fish $37\frac{3}{4}$ sts.; *Fried Fish Fillets 240; †Cereal Sweepings 29 sts.; Ovaltine 29 tins; Pickles 224×1 gall.; Sauce 31 bottles.

*=*Food Salvaged. The Government (Foods) Salvage Officer, Nottingham, has to be contacted in certain cases specified by a Ministry of Food Circular and arranges as to salvage of the specified goods.*

†=*Food salvaged for animal feeding.*

FOOD AND DRUGS ACT, 1938.

PRESERVATIVES IN FOOD REGULATIONS.

108 samples, particulars of which follow, were submitted to the Public Analyst for analysis under the provisions of the above Act. (54 Formal—54 Informal).

Milk 52; Chocolate Cup 1; Malted Food 1; Almond Spread 1; Medicine to Prescription 5; Potted Meat 1; Lemon Cheese 1; Scotch Broth (Tin) 1; Steak & Kidney Pudding (Tin) 1; Cooking Fat 1; Egg "Savouree" 1; Semolina 5; Beef & Veal Sausage 1; Sausage Meat 2; "Elixir Jaffol" 1; Cake Flour 1; Pudding Mixture 1; Jam 3; Baking Powder 1; Malt Vinegar 1; Ham & Beef Paste 1; Epsom Salts 1; Camphorated Oil 2; Granulated Gelatine 1; Table Jelly 1; Borax 1; Ground Ginger 1; Glycerine 1; Salmon & Shrimp Paste 1; Jelly Crystals 1; Soup Powder 1; Spaghetti 1; Cod Liver Roe Paste 1; Bloater Paste 1; Anchovy Paste 1; Calamine Lotion 1; Malt Extract with Cod Liver Oil 2; Cod Liver Paste 1; Curry Powder 1; White Pepper 1; Glycerine of Borax 1; Flavouring Essence 1; Coffee Extract 1; Dairy Detergent 1.

Dirt and preservative were reported absent from 39 of the Milk Samples.

The genuine Milk Samples gave an average composition of 3.66 per cent fat, 8.88 per cent solids-not-fat. Those of morning's milk 3.65 per cent fat, 8.93 per cent solids-not-fat.

Three samples of Milk were reported against resulting in 14 "Following-up", "Appeal-to-Cow", or "In course of Delivery" Samples being taken as a check on the original Samples. The particulars are as follows :—

MILK No. 148. Was reported 7 per cent deficient in fat. One "In Course of Delivery" Sample and one "Appeal-to-Cow" Sample were subsequently taken from the producer giving results of 6 and 5 per cent deficient in fat respectively. The reports were considered by the Public Health Committee and the Vendor and Producer were cautioned by the Town Clerk on the Committee's request.

MILK No. 149. Was reported 7 per cent deficient in fat. Four "Appeal-to-Cow" Samples were taken at the Farm four days later, three of which were satisfactory and one was reported 4 per cent deficient in fat. The certificates were considered by the Public Health Committee and the Producer-Retailer was cautioned by the Town Clerk on the Committee's request.

MILK No. 196. Was reported to be adulterated with Formaldehyde to the extent of 0.0042 per cent by weight. Three days later investigations were made at the Vendor's Dairy and informal samples were taken of milk in churns found at the Dairy, 3 of which were of milk supplied by a Wholesale firm and one was of morning's milk from the Producer's own cows. Formaldehyde was certified to be present in the milk of each churn—average amount 0.0058 per cent by weight. Samples taken of the supervised afternoon's milking were reported genuine. Informal samples of bottled milk, and the detergents used for cleaning utensils, were also taken.

Legal proceedings were subsequently taken before the Magistrates and the defendants were fined one guinea and three guineas costs.

MILK AND DAIRIES ORDER, 1926.

DAIRIES, COWSHEDS AND MILKSHOPS.

Following are the particulars for the year :—

(1) Retail Purveyors having Registered Premises in the City	19
(2) Retail Purveyors having Registered Premises outside the City	3
(3) Producers (Retail) in the City with Registered Cowsheds— (included in No. 1 above)	13
(4) Producers (Wholesale) in the City with Registered Cowsheds	12
(5) Shopkeepers selling milk (retail)	7

83 visits were paid. Verbal cautions 19. Confirmatory letters 6.

Work done :—

Alterations to drainage	2
New Copper	1
New Sterilizing plant	1
Limewashing of cowsheds	9
Limewashing of Dairies	4

School Milk, Pasteurised and Heat Treated Milk processed in the City were sampled monthly and submitted for the Phosphatase, Plate Count, Methylene Blue and B. Coli. tests. The results were satisfactory with the exception of two which failed to pass the Methylene Blue test.

Nine samples of milk were taken for Microscopic and Biological examination for the presence of Tubercule Bacilli—one was reported positive.

The Milk Rationalization Scheme, which started in 1943, continues in operation.

FACTORIES ACT, 1937

Following are particulars of the number of Factories registered (Bake-houses excluded) and work in connection therewith during the year :—

Factories on Register (Mechanical 167, Non-Mechanical 46)	213
Number of visits paid	52

Notices from H.M. Inspector of Factories :—

Re New Factories	7
Re Defaults	9
Letters sent	2

Defaults remedied :—

Want of Cleanliness	4
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Sanitary Conveniences :—

(a) Insufficient	3
(b) Unsuitable or defective	3
(c) Ventilation provided	2
(d) Other defects	....	....	....	....	....	....	....	4

Notices from H.M. Inspector re :—

Temporary Building Sites	....	....	....	....	....	....	....	3
Outworkers	....	....	....	....	....	....	....	36

CANAL BOATS — PLEASURE BOATS

CANAL BOATS.—No boats have been registered during the year. Traffic by river is negligible. 3 visits were paid.

PLEASURE BOATS.—Number licensed 44 and 2 boatmen. Visits paid 39.

I am,

Your obedient servant,

J. L. SEDEN,

Chief Sanitary Inspector.

